

December 3, 2019



Mr. Doug Lansing  
Rainier Commons  
918 S. Horton Street, Suite 101  
Seattle, WA 98134

Re: **NVL Batch 1925304.00**

Project Name/Number: N-A

Project location: 3100 Airport Way S. Seattle, WA 98134

Dear Mr. Lansing,

Enclosed please find test results for samples submitted to our laboratory for analysis. Preparation and analysis of these samples were conducted in accordance with published industry standards and methods specified on the attached analytical report.

The content of this package consists of the following:

- Case Narrative & Definition of Data Qualifiers
- Analytical Test Results
- Applicable QC Summary
- Client Chain-of-Custody (CoC)
- NVL Receiving Record

The report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client will be discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance, please contact us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly', written over a horizontal line.

Nick Ly, Technical Director

Enclosure: Sample Results

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**Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)**  
**4708 Aurora Avenue North | Seattle, WA 98103**

**Case Narrative:**

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from Rainier Commons, LLC. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported based on dry weight in milligrams per kilograms (mg/kg) for PCB samples as shown on the analytical reports.



## Definition Appendix

### Terms

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
LFS	Laboratory Fortified Spike
Limits	The upper and lower control limits for spike recoveries.
LN	Quality control sample is outside of control limits. This analyte was not detected in the sample.
LOQ	Limit of quantitation( same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology



## Definition Appendix

### Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results( matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SMI	Surrogate has matrix interference.
Spike Conc.	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
mg/Kg	milligram per kilogram

## ANALYSIS REPORT

## Polychlorinated Biphenyls by Gas Chromatography



Client	<b>Rainier Commons</b>	Samples Received*	<b>1</b>
SDG Number	<b>1925304.00</b>	Analyzed By	<b>Aaron Brown</b>
Date Reported	<b>12/03/2019</b>	Samples Analyzed*	<b>1</b>
Project Number	<b>N-A</b>	Analysis Method	<b>8082A</b>
Location	<b>3100 Airport Way S. Seattle, WA 98134</b>	Preparation Method	<b>3546PR (PCB)</b>

\* for this test only

Sample Number	<b>112619-PL-DPL</b>	Received	11/27/2019
Lab Sample ID	19139011	Matrix	Material
Initial Sample Size	2.4345 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.82	< 0.82	12/02/2019
Aroclor-1221	0.82	< 0.82	12/02/2019
Aroclor-1232	0.82	< 0.82	12/02/2019
Aroclor-1242	0.82	< 0.82	12/02/2019
Aroclor-1248	0.82	< 0.82	12/02/2019
Aroclor-1254	0.82	< 0.82	12/02/2019
Aroclor-1260	0.82	< 0.82	12/02/2019
<b>PCBs, Total</b>	<b>0.82</b>	<b>&lt;0.82</b>	

## Quality Control Results

Project Number: N-A		SDG Number: 1925304							
Project Manager: Doug Lansing									
QC Batch(es):	Q1111	Analysis Method:	8082A						
QC Batch Method:	3546PR (PCB)	Analysis Description:	Polychlorinated Biphenyls by Gas Chromatography						
Preparation Date:	12/02/2019								
Blank: MBLK-1925304									
Analyte	Blank Result	Units	DF	RL	Control Limit	Qualifiers			
Aroclor-1016	ND	mg/Kg	1	1.0	1				
Aroclor-1221	ND	mg/Kg	1	1.0	1				
Aroclor-1232	ND	mg/Kg	1	1.0	1				
Aroclor-1242	ND	mg/Kg	1	1.0	1				
Aroclor-1248	ND	mg/Kg	1	1.0	1				
Aroclor-1254	ND	mg/Kg	1	1.0	1				
Aroclor-1260	ND	mg/Kg	1	1.0	1				
PCBs, Total	ND	mg/Kg	1	1.0	1				
Surrogates:				% Rec					
Tetrachloro-m-xylene			1	73	40-140				
Decachlorobiphenyl			1	94	40-140				
Lab Control Sample: LCS-1254-1925304									
Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers		
Aroclor-1254	17.1	mg/Kg	1	20.0	85	40-140			
Surrogates:									
Tetrachloro-m-xylene			1		86	40-140			
Decachlorobiphenyl			1		104	40-140			
Lab Control Sample: LCS-1016-1260-1925304									
Lab Control Sample Duplicate: LCSD-1016-1260-1925304									
Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	17.4	mg/Kg	1	20.0	87	40-140			
	18			20.0	90	40-140	3	50	
Aroclor-1260	18	mg/Kg	1	20.0	90	40-140			
	18.5			20.0	92	40-140	3	50	
Surrogates:									
Tetrachloro-m-xylene			1		87	40-140			
					88	40-140			
Decachlorobiphenyl			1		99	40-140			
					98	40-140			
Sample duplicate: 19139011D					Parent Sample: 19139011				
Analyte	Duplicate Result	Units	DF	Parent Result		RPD	RPD Limit	Qualifiers	
Aroclor-1016	ND	mg/Kg	1	ND		0	50		



## Quality Control Results

<b>Project Number:</b>	<b>N-A</b>	<b>SDG Number:</b>	<b>1925304</b>
		<b>Project Manager:</b>	<b>Doug Lansing</b>
<b>QC Batch(es):</b>	<b>Q1111</b>	<b>Analysis Method:</b>	<b>8082A</b>
<b>QC Batch Method:</b>	<b>3546PR (PCB)</b>	<b>Analysis Description:</b>	<b>Polychlorinated Biphenyls by Gas Chromatography</b>
<b>Preparation Date:</b>	<b>12/02/2019</b>		
<b>Sample duplicate:</b>	<b>19139011D</b>	<b>Parent Sample:</b>	<b>19139011</b>

Analyte	Duplicate Result	Units	DF	Parent Result	RPD	RPD Limit	Qualifiers
Aroclor-1221	ND	mg/Kg	1	ND	0	50	
Aroclor-1232	ND	mg/Kg	1	ND	0	50	
Aroclor-1242	ND	mg/Kg	1	ND	0	50	
Aroclor-1248	ND	mg/Kg	1	ND	0	50	
Aroclor-1254	ND	mg/Kg	1	ND	0	50	
Aroclor-1260	ND	mg/Kg	1	ND	0	50	
PCBs, Total	ND	mg/Kg	1	ND	0		
<i>Surrogates:</i>				% Rec			
Tetrachloro-m-xylene			1	77	40-140		
Decachlorobiphenyl			1	104	40-140		



## Surrogate Recovery Summary Report

Client	Rainier Commons		SDG Number	1925304	
Project	N-A				
Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits	
112619-PL-DPL	19139011	Decachlorobiphenyl	94%	40-140	
112619-PL-DPL	19139011	Tetrachloro-m-xylene	70%	40-140	
112619-PL-DPLD	19139011D	Decachlorobiphenyl	104%	40-140	
112619-PL-DPLD	19139011D	Tetrachloro-m-xylene	77%	40-140	
LCS-1016-1260-1925304	LCS-1016-1260-1925304	Decachlorobiphenyl	99%	40-140	
LCS-1016-1260-1925304	LCS-1016-1260-1925304	Tetrachloro-m-xylene	87%	40-140	
LCS-1254-1925304	LCS-1254-1925304	Decachlorobiphenyl	104%	40-140	
LCS-1254-1925304	LCS-1254-1925304	Tetrachloro-m-xylene	86%	40-140	
LCSD-1016-1260-1925304	LCSD-1016-1260-1925304	Decachlorobiphenyl	98%	40-140	
LCSD-1016-1260-1925304	LCSD-1016-1260-1925304	Tetrachloro-m-xylene	88%	40-140	
MBLK-1925304	MBLK-1925304	Decachlorobiphenyl	94%	40-140	
MBLK-1925304	MBLK-1925304	Tetrachloro-m-xylene	73%	40-140	

\* Recovery outside limits



**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

SDG No: **1925304**

Contract:

Determination: **8082 PCB Aroclors <Material>**

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R001104	CCV1-1016-1260	PCB_2019-1-2	12/02/2019	Aroclor-1016	5	5	ug/mL	100	80-120
		PCB_2019-1-2	12/02/2019	Aroclor-1260	5	5	ug/mL	100	80-120
	CCV1-1254	PCB_2019-1-3	12/02/2019	Aroclor-1254	5	5	ug/mL	100	80-120
	ICV 1016-1254-1260	PCB_2019-1-4	12/02/2019	Aroclor-1016	5	5.012	ug/mL	100	85-115
		PCB_2019-1-4	12/02/2019	Aroclor-1254	5	5.188	ug/mL	104	85-115
		PCB_2019-1-4	12/02/2019	Aroclor-1260	5	5.694	ug/mL	114	85-115
	CCV2-1016-1260	PCB_2019-1-2	12/02/2019	Aroclor-1016	5	5.466	ug/mL	109	80-120
		PCB_2019-1-2	12/02/2019	Aroclor-1260	5	5.811	ug/mL	116	80-120
	CCV2-1254	PCB_2019-1-3	12/02/2019	Aroclor-1254	5	5.733	ug/mL	115	80-120

% Rec = Percent recovery

\* = Percent recovery not within control limits

# ORGANICS LABORATORY SERVICES



<b>Company</b> Rainier Commons, LLC <b>Address</b> 918 S. Horton Street, Suite 101 Seattle, WA 98134 <b>Project Manager</b> Mr. Doug Lansing <b>Phone</b> (206) 447-0263 <b>Cell</b> (b) (6)	<b>NVL Batch Number</b> 1925304.00 <b>TAT</b> 5 Days <b>AH</b> No <b>Rush TAT</b> <b>Due Date</b> 12/6/2019 <b>Time</b> 1:35 PM <b>Email</b> lansinghomes@aol.com <b>Fax</b> (206) 447-0299
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<b>Project Name/Number:</b> N-A	<b>Project Location:</b> 3100 Airport Way S. Seattle, WA 98134
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**Subcategory** Quantitative analysis

**Item Code** ORG-04      **Method** 8082 PCB Aroclors <Soil>

**Total Number of Samples** 1

**Rush Samples**

Lab ID	Sample ID	Description	A/R
1	19139011	112619-PL-DPL	A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Client				
<b>Office Use Only</b>	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Kelly AuVu		NVL	11/27/19	1335
<b>Analyzed by</b>	<i>Am Br</i>	<i>[Signature]</i>	NVL	12/2/19	14:00
<b>Results Called by</b>					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					
<b>Special Instructions:</b>					

Entered By: Emily Schubert

Date: 11/27/2019

Time: 4:43 PM

1 of 1

4708 Aurora Ave North, Seattle, WA 98103

p 206.547.0100

f 206.634.1936

www.nvllabs.com

**NVL Laboratories, Inc.**  
 4708 Aurora Ave N, Seattle, WA 98103  
 Tel: 206.547.0100 Emerg. Pager: 206.344.1878  
 Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY  
 SAMPLE LOG**

**1925304**

Client RAINIER COMMONS  
 Street 3100 AIRPORT WAY S.  
SEATTLE, WA 98134  
 Project Manager DOUG LANSING  
 Project Location SAME AS ABOVE

NVL Batch Number \_\_\_\_\_  
 Client Job Number \_\_\_\_\_  
 Total Samples ONE  
 Turn Around Time ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days  
☐ 2-Hrs ☐ 2 Days ☒ 5 Days  
☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days  
 Please call for TAT less than 24 Hrs  
 Email address LANSINGHOMES@AOL.COM

(b) (6)

Fax: \_\_\_\_\_ Home: \_\_\_\_\_

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<b>METALS</b>	<b>Det. Limit</b>	<b>Matrix</b>	<b>RCRA Metals</b>	<input checked="" type="checkbox"/> All 8	<b>Other Metals</b>
<input checked="" type="checkbox"/> Total Metals	<input type="checkbox"/> ppm (AAS)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ppb (GFAA)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Copper (Cu)
		<input type="checkbox"/> Dust/wipe	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Selenium (Se)	<input type="checkbox"/> Nickel (Ni)
		<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Silver (Ag)	<input type="checkbox"/> Zinc (Zn)
<input checked="" type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input checked="" type="checkbox"/> Other (Specify) <u>PCB-BULK</u>		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		112619-PL-DPL	PARKING LOT SWEEPINGS -	
2			COMPOSITE SAMPLE FROM 4	
3			RANDOMLY SELECTED GARBAGE	
4			BAGS IN HAZ-MAT STORAGE	
5			CONTAINER	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	D. LANSING	<i>[Signature]</i>	R.C.	11/26/19	11:00 AM
Relinquished by	YOUVP	<i>[Signature]</i>	ISC	11/27/19	1:35
Received by	Kelly	<i>[Signature]</i>	NVL	11/27/19	1:35
Analyzed by	Ann Brown	<i>[Signature]</i>	NVL	12/2/19	14:00
Results Called by					
Results Faxed by					

**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.  
CALL DAVE LEONARD WITH RESULTS.

**NVL Laboratories, Inc.**  
4708 Aurora Ave N, Seattle, WA 98103  
Tel: 206.547.0100 Emerg. Pager: 206.344.1878  
Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY  
SAMPLE LOG**

**1925304**

Client RAINIER COMMONS  
Street 3100 AIRPORT WAY S.  
SEATTLE, WA 98134  
Project Manager DOUG LANSING  
Project Location SAME AS ABOVE

NVL Batch Number \_\_\_\_\_  
Client Job Number \_\_\_\_\_  
Total Samples ONE  
Turn Around Time ☐ 1-Hr ☐ 24-Hrs ☐ 4 Days  
☐ 2-Hrs ☐ 2 Days ☒ 5 Days  
☐ 4-Hrs ☐ 3 Days ☐ 6 to 10 Days  
Please call for TAT less than 24 Hrs  
Email address LANSINGHOMES@ACL.COM

(b) (6) \_\_\_\_\_ Fax: \_\_\_\_\_ Home: \_\_\_\_\_

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
<b>METALS</b> <input checked="" type="checkbox"/> Total Metals <input type="checkbox"/> TCLP	<b>Det. Limit</b> <input type="checkbox"/> ppm (AAS) <input type="checkbox"/> ppb (GFAA)	<b>Matrix</b> <input type="checkbox"/> Air Filter <input type="checkbox"/> Drinking water <input type="checkbox"/> Dust/wipe <input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Paint Chips <input type="checkbox"/> Paint Chips (Area) <input type="checkbox"/> Waste Water	<b>RCRA Metals</b> <input type="checkbox"/> Arsenic (As) <input type="checkbox"/> Barium (Ba) <input type="checkbox"/> Cadmium (Cd) <input type="checkbox"/> Chromium (Cr)	<input checked="" type="checkbox"/> All 8 <input type="checkbox"/> Lead (Pb) <input type="checkbox"/> Mercury (Hg) <input type="checkbox"/> Selenium (Se) <input type="checkbox"/> Silver (Ag)
<input checked="" type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass <input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust <input type="checkbox"/> Respirable Dust	<input checked="" type="checkbox"/> Other (Specify) <u>PCB - BULK</u>	<b>Other Metals</b> <input type="checkbox"/> All 3 <input type="checkbox"/> Copper (Cu) <input type="checkbox"/> Nickel (Ni) <input type="checkbox"/> Zinc (Zn)	

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
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5			CONTAINER	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	D. LANSING	<i>[Signature]</i>	R.C.	11/26/19	11:00 AM
Relinquished by	YOUNG	<i>[Signature]</i>	RC	11/27/19	1:35
Received by	Kumpalt	<i>[Signature]</i>	NVL	11/27/19	1:35
Analyzed by	Ann Brown	<i>[Signature]</i>	NVL	12/2/19	14:00
Results Called by					
Results Faxed by					

**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.  
CALL DAVE LEONARD WITH RESULTS.